

Instructions: This form is used during drilling or workover operations. If testing, coring or perforating, show formation name in describing work performed. Number all drill stem tests sequentially. Attach description of all cores. Work performed by Producing Section will be reported on "Interim" sheets until final completion. Report official or representative test on "Final" form. 1) Submit "Interim" sheets when filled out but not less frequently than every 30 days, or (2) on Wednesday of the week in which oil string is set. Submit weekly for workovers and following setting of oil string until completion.

District WESTERN	County or Parish COLUMBIA COUNTY	State OREGON
Field MIST GAS FIELD	Lease or Unit CAVENHAM FOREST INDUSTRIES	Well no. 33-9
Date and depth as of 8:00 a.m. 6:00 a.m.	Complete record for each day while drilling or workover in progress	
6-3/4 9-3-86	<p>TD: 1733' (118') - CIP 0600 hrs, 9-3-86 (7" @ 1773')</p> <p>MUD: 9.0 ppg VIS: 37 PV/YP: 10/8 GELS: 2/4 pH: 8.5 WL: 9.6 SOLID: 5</p> <p>POOH, blown jet. RIM. Ream bridge at 1156'. Stuck pipe at 1600'. Work free and ream tight section. Drill 8-1/2" hole 1665' - 1783'. CIR. POOH tight 1675' - 1500'. Run OIL/Sonic/SP 1770' - 448'. RIM 8-1/2" bit. Circulate and condition mud. POOH. Lay down drill pipe, hevi-wate, collars. Run 44 jts of 7" 20# K-55 STC casing with shoe at 1773', float collar at 1688'. Circulate and condition mud. Pump 3 bbl water, 20 bbl Super Flush, 5 bbl water. Cement with 134 sx Class G + 1:1 Perlite + 4% gel + 2% CaCl₂, tailed with 127 sx Class G + 3% CaCl₂. Displace top plug with ml. Bump plug with 900 psi. Floats held. Intermittent circulation with no cement to surface. CIP at 0600 hrs, 9-3-86.</p>	
7-3/4 9-4-86	<p>TD: 1783' (0') - Drilling float collar (7" @ 1773')</p> <p>MUD: 9.0 ppg VIS: 37 PV/YP: 10/6 GELS: 1/4 pH: 8.5 WL: 9.6 SOLID: 5</p> <p>Set casing slips. Cut off 7" casing. NU tubing spool. Test to 1500 psi. NU BOPE. Test blind rams against casing to 1000 psi. Test BOPE to 1000 psi. Pick up 6-1/4" bit, 4-3/4" collars, 3-1/2" HWDP, 3-1/2" drill pipe. Tag plug at 1689'.</p>	
8-3/4 9-5-86	<p>TD: 2530' (1783') - Wiper trip (7" @ 1773')</p> <p>MUD: 10.2 ppg VIS: 39 PV/YP: 16/10 GELS: 2/13</p> <p>pH: 10 WL: 5.6 SOLID: 13</p> <p>Drill float collar and cement to 1749'. Circulate. Pressure test casing to 1000 psi, OK. Drill cement, float shoe, and new formation to 1793'. Pressure test shoe to 12.7 ppg EMW (no leakoff). Drill 6-1/4" hole to 1875'. Make a round trip to pick up stabilizers. Drill to 2530'. Make wiper trip to take survey. Estimated top of C&W sand at 2492'.</p>	
11-1/4 9-6, 7-86	<p>TD: 3243' (713') PBDT: Surface - Rig released 1800 hrs, 9-7-86</p> <p>Wiper trip. Drilled 6-1/4" hole 2530' - 3243'. Wiper trip. POOH. <u>Run DIL/BHC/SP and FDC/CNL/GR from 3243' - 1773'</u>. RIM OEDP to 1865'. Set balanced plug with 37 sx G + 3% CaCl₂. CIP at 2323 hrs, 9-6-86. POOH. RIM and tagged TOC at 1720'. POOH. Lay down drill pipe. ND BOPE. Cut off 9-5/8" and 7" casing. Set 40' surface plug with 71 sx G + 3% CaCl₂ inside 7" casing and 9-5/8" x 7" annulus. CIP at 1100 hrs, 9-7-86. Weld plate on casing stub. RD. <u>Released rig at 1800 hrs, 9-7-86.</u></p>	

The above is correct

Signature R. L. THOMAS <i>Randy Thomas</i>	Date 1/16/87	Title DISTRICT DRILLING ENGINEER
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For form preparation and distribution see Procedures Manual Section 10, Drilling, Pages 86 and 87